

ABSTRACT OF THE DISCLOSURE

A description is given of a method for the analysis and/or monitoring of the partial discharge behavior of an electrical operating means, in particular in terms of its development over time. Here, appropriate partial discharge data is recorded in process state matrices (2, 3), in which, in each case in a matrix element (5) of the process state matrix (1), the amplitude (7) of a partial discharge, its phase angle (6) and its frequency of occurrence is depicted (in particular what is known as a PRPD representation). A simplified analysis is made possible by the fact that, at a first time, a partial discharge process state is registered in a first process state matrix (2) and, at a later time, a further partial discharge process state is registered in a further process state matrix (3). Then, for the purpose of analysis and/or monitoring, the first (2) and the second (3) process state matrix are compared with the aid of comparison and scaling methods.

(Fig. 3a)